

We Rate Dogs Twitter Data

There are many questions we can ask and insights we can glean from Twitter's database and the image prediction model provided by Udacity.

A few things I thought would be interesting to look into were:

- Top Rated Dog Breeds
- Top Favorite Dog Breeds
- Top Retweeted Dog Breeds
- Most Beloved Dog Breed(s)
- Most Common Dog Breeds
- Most Common Dog Names
- Does using a Dog Nickname get you more favorites?
- Does using a Dog Nickname get your more retweets?

Of course there are more questions to ask, but these questions will help us start to understand the bizarre tweets of WeRateDogs.

Top Dog Breeds

Upon looking into the top rated, top favorited and top retweeted dog breeds, I decided to condition these attributes upon each breed's mean value.

Top Rated Dog Breeds

The top rated dog breed with an average rating more than double the next top rated breed is a Clumber. The entire top 10 rated dog breeds are:

- Clumber
- Pomeranian
- Saluki
- Briard
- Tibetan Mastiff
- Border Terrier
- Standard Schnauzer
- Silky Terrier
- Kuvasz
- Eskimo Dog

Top Favorited Dog Breeds

The top favorited dog breed with an average favorite count slightly about 1.25x higher than the second favorited dog breed is a Saluki, which appeared in the top rated dog breeds list. The entire top 10 favorited dog breeds are:

- Saluki
- French Bulldog
- Afghan Hound
- Giant Schnauzer
- Black and Tan Coonhound
- Flat Coated Retriever
- Irish Water Spaniel
- Standard Poodle
- English Springer
- Cardigan

Top Retweeted Dog Breeds

The top retweeted dog breeds are much closer together in their average. Instead of stating the top retweeted dog breed, it feels more appropriate to list the entire top 10 favored dog breeds list:

- Standard Poodle
- English Springer
- Afghan Hound
- Eskimo Dog
- Saluki
- Giant Schnauzer
- French Bulldog
- Lakeland Terrier
- Great Pyrenees
- Flat Coated Retriever

Most Beloved Dog Breed

The most “beloved” dog breeds must be top rated, top favored, and top retweeted. The only breed that appeared in all three lists was the Saluki. In fact, it was the number one top favored breed and number 3 on the top rated dog breed list.

Pictured below is the top favored tweet and image of a Saluki.

“This is Gary. He couldn't miss this pupportunity for a selfie. Flawless focusing skills. 13/10 would boop intensely”



Common Dog Breeds

The most commonly tweeted about dog breed with ~1.5x more tweets than the next commonly tweeted breed is the Golden Retriever. The entire top 10 rated dog breeds are:

- Golden Retriever
- Labrador Retriever
- Pembroke
- Chihuahua
- Pug
- Chow
- Samoyed
- Pomeranian
- Toy Poodle
- Malamute

Common Dog Names

In most tweets, the dogs' names are not actually named. In fact, 621 of the 1970 dogs are unnamed. However, when they are named there are 912 different names used. The 10 most common names are:

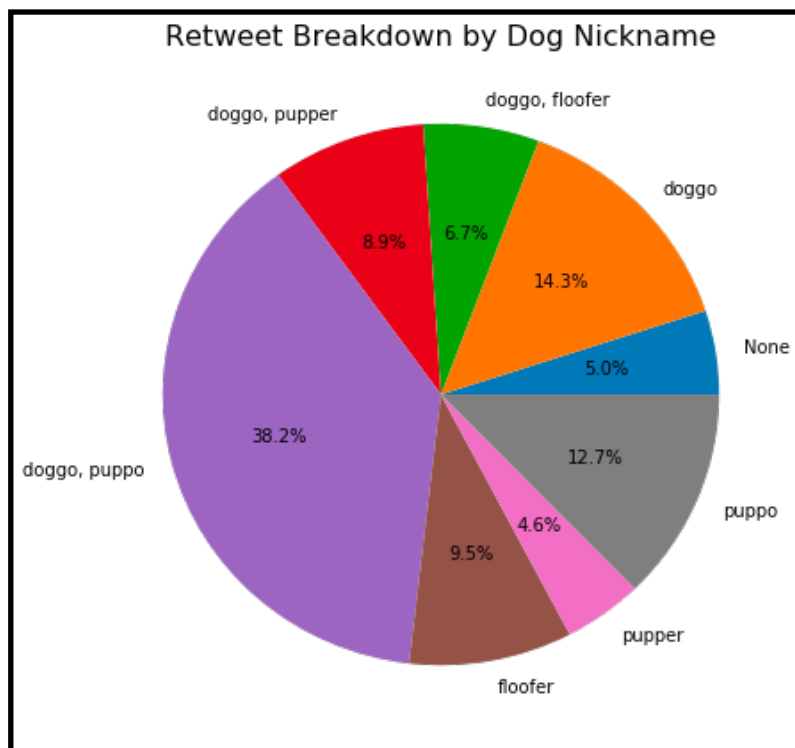
- Charlie
- Oliver
- Cooper
- Lucy
- Penny
- Tucker
- Winston
- Sadie
- Daisy
- Lola

Dog Nicknames

Many users use dog nicknames such as “doggo”, “floofer”, “puppo”, and “puppy” in their tweets. I was curious to know the breakdown of retweets and favorited tweets based on what dog nicknames were used.

Retweet Breakdown by Dog Nickname

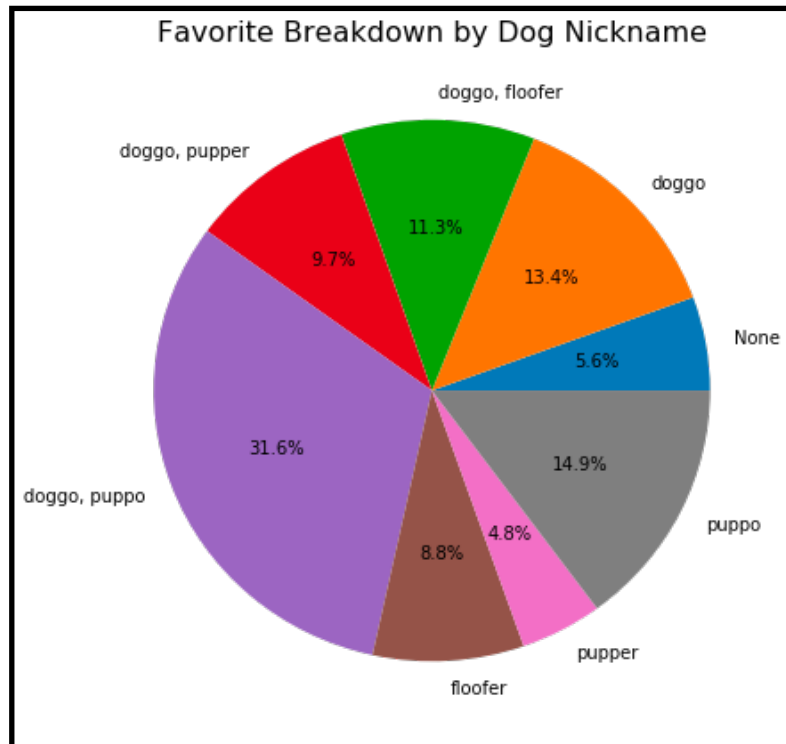
It looks like tweets that use both “doggo” and “puppo” in their tweets are retweeted 38% of the time, which is significantly more often than any other dog nickname combination. In the visual below, you can see how often a tweet gets retweeted when there is a certain dog nickname (or combination) present:



Favorite Breakdown by Dog Nickname

Almost identical results were found for favorited tweets. Tweets that use both “doggo” and “puppo” in their tweets are favorited 31% of the time, just slightly lower than the retweet rate with that specific combination present.

In the visual below, you can see how often a tweet gets favorited when there is a certain dog nickname (or combination) present:



Although having a certain dog nickname present in a tweet isn't going to be the ultimate indicator of getting retweets and favorites, it might not hurt to add the extra “doggo” or “puppo”.

Pitfalls:

- I didn't consider the number of tweets each dog breed was present in. This may have skewed their attributes' (rating, favorite, retweet) mean values, and therefore their corresponding top 10 lists.
- I didn't consider the number of tweets each dog name or nickname was present in. So what may look significant in list form, may not actually be significant in the entirety of all tweets.